Shravan Sudhveer Dwarka
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A Linux System Engineer with 5 years of experience, collaborated with global clients, specializing in Platform Engineering, Database Engineering, Infrastructure Engineering, and Network Engineering. Expertise emphasizes leveraging open-source solutions to meet diverse project requirements. Additionally, contributed to knowledge community through meetups and university presentations.

Languages

French (Native / Bilingual), English (Native / Bilingual)

Technical Skills

Software Skills: **Database** (MySQL, MariaDB, ProxySQL, Percona-Toolkit), **OS** (Debian, Red-Hat (CentOS, Rocky Linux), Ubuntu, Windows), **Web servers** (nginx, Apache, Keepalived, HAProxy), **Networking** (tcpdump, OpenVPN, Wireguard, DHCP, DNS, Subnetting, Cisco (VPN, Routing), Routing), **Firewall** (iptables, Fortinet), **Automation** (Scripting, Ansible), **FileSystem** (NFS, Lsyncd), **HyperVisor** (ProxmoxVE, VMWare), **Cloud** (AWS), **Monitoring** (Icinga2, Nagios, Grafana, InfluxDB), **Security** (ClamAV, Wazuh – SIEM), **Containerization** (Docker)

Programming Language: Bash, Powershell, Python, GoLang
Soft skills: Time Management, Non-Violent Communication, Stress Management, Leadership, Robust Problem-solving
Hard skills: Design, Scripting, Investigations, RCA, DevOps

Professional Experience

Systems Administrator, DPL Wireless, Canada (Remote)
(**March 2024 – Present**)
- Implemented distributed monitoring system (Icinga2) for 3 different sites. Provides aggregation of alarms to centralized location. Increased flexibility of configuration by 75% compared to old system.
- Participate in weekly on-call. Participate in meetings with partners (Mobile Network Operators mainly).
- Design and implement network tunnels (IPSec over GRE) between us and partners for business path and route sharing (eBGP), keeping dataflow securely for 99.9% of the time.

Linux Systems Engineer (L2), OceanDBA Ltd, Mauritius (Remote)
(**September 2021 – May 2024**)
- Manage escalated tickets from juniors, level 1. Perform work session to ensure same task can be handled in future.
- Lead 25% client projects, participate in client meetings to work on solutions and achieve the goal of successful project completion.
- Develop and maintain Bash/Python monitoring scripts with version controlling. 90% of scripts maintained and shellchecked till date.
- Design and deploy complex system-related issues, employ advanced debugging techniques to find root causes, and apply fixes to prevent recurrence. 99.99% up-time obtained from solutions supplied.
- Specialize in optimizing performance for both Linux kernels and RDBMS (MySQL/MariaDB) with ProxySQL, undertake database architecture, setup, and migration tasks, and improve network performance in VxLAN networks for ProxmoxVE-based private clouds.
- Complement by weekly on-call responsibilities to ensure 24/7/365 system functionality.
- Live troubleshooting with client(s) to find anomalies and finding permanent solutions.

Junior System Engineer, Prevoir Solutions Informatiques, Mauritius
(**November 2020 – September 2021**)
- Wrote Dockerfiles specifically designed for 'gateways' used within financial applications aiming for 100% up-time, exhibiting expertise in creating efficient and secure containerized environments tailored for the finance sector.

- Engineered network routing solutions to facilitate connections to 2 VPN servers utilizing AnyConnect, enabling the creation of sophisticated monitoring dashboards.
- Collaborated with in-house Java developers to author tcpdump scripts, streamlining the debugging process, accelerates issue resolution and enhances application stability.

System and Database Engineer, OceanDBA Ltd, Mauritius
(June 2019 – November 2020)
- Started training plan encompassed Linux installation and virtualization, databases, PHP, monitoring, and Bash scripting, showcasing foundational grasp of IT skills and commitment to mastering technical landscape from the get-go.
- Increased skill set by writing additional Bash scripts to automate repetitive tasks, demonstrating not only a rapid acquisition of scripting proficiency but also a keen focus on improving efficiency and productivity in work environment.
- Led with 2 new deployments, configuration changes, and investigative tasks, further honed technical problem-solving skills and ability to handle a diverse range of operational challenges.
- Demonstrated a swift progression in handling more complex responsibilities in 3-months' time.
- Provided solution for file and password secure sharing, saved 10% of annual expenditures by using own infrastructure.

Education

Information Technology Infrastructure, Conestoga College, Waterloo, ON
(January 2024 – August 2024)
Ontario College Graduate Certificate
Server Administration, Network Administration, Automation, Virtualization, Hardware, Operating Systems.

Computer Science, University of Mauritius, Reduit, Moka
(August 2016 – May 2019)
Bachelor of Science degree
Programming, Operating Systems, Development, Web solutions, Parallel and distributed systems.

Extra Curriculars

Volunteer, Isha Foundation, (Mauritius, Canada)
(November 2022 – Present)
- Set up AV equipment for monthly meetups for Yoga practices.
- Managed the team with hall set-up for 4 days.
- Volunteering for raising awareness of such programs.

Member, KWLUG, Canada
(November 2024 – Present)
- Active member of Kitchener/Waterloo Linux User Group, doing presentations and giving back to the community by sharing new open-source tools.

Tutor, KW Education, Canada
(March 2025 – Present)
- Python Programming tutor for Grade 10, 11, 12 and University (first year) students.